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***Don't forget to sign up on the reflector!!
August 2013 Edition***

From the President ...

Hope everyone had a nice summer - hard to believe its fall time already. Once the weather cools down I'm hoping to get a couple of antenna projects underway. I have hopes of building the portable vertical that Bob, K9OSC, spoke to us about a few months ago. If you missed it, you can watch the video on our website.

Hopefully most of you have heard that our plan to visit the "Antenna Farm" at the home of Paul Bittner, W0AIH, near Eau Claire, WI, on Sept 8th got postponed. We are hopeful that it will get rescheduled soon. Watch the reflector for that announcement. Instead, Jeremy Mooney, KC0LDI, has offered to demonstrate more of his ROV and controller board that he brought during Show and Tell last month. Thanks to Jeremy for filling in at the last moment. We also have a couple of other presentations lined up this fall, so please visit our website at www.mn-arts.org for more information, and sign up for the reflector for the latest news.

Hope to see you Saturday,
73 de chuck ka8hde

August Meeting Minutes

Old Business:

- June minutes were approved.
- Field Day was reviewed. Larry/KB0R reported that about 200 contacts were made mostly on 40 & 20 meters. The campground worked out better than expected and it was agreed that it would make a good site for next year.

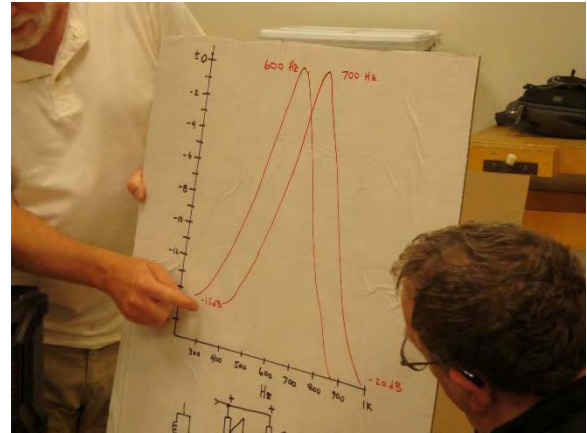
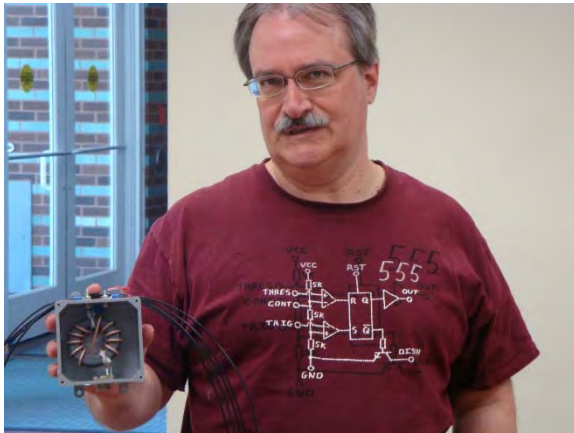
New Business:

- Plans were reviewed for the upcoming trip to the station of Paul Bittner, W0AIH in Eau Claire. (Later rescheduled) Craig/AA0ZZ provided a good description of the station and associated antennas.
- Rob/K0CD informed us about the Autumn Bike Ride that the St. Croix club helps with. They were looking for help. Date is September 22.

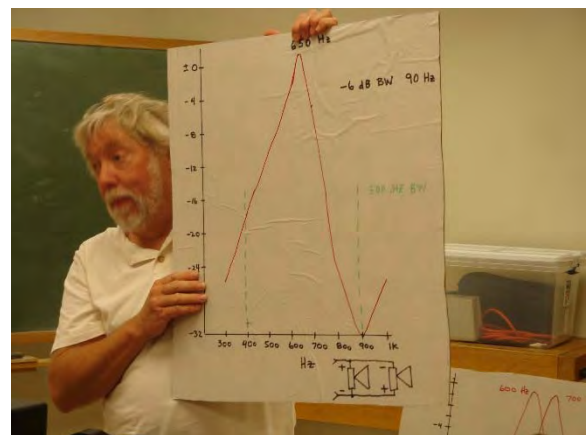
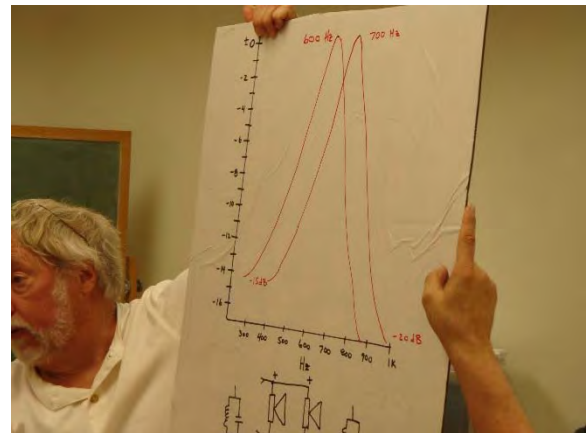
Business meeting was adjourned.

Show & Tell:

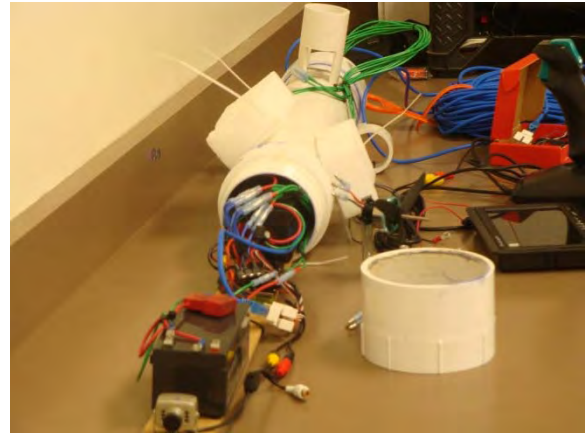
Russ Ramirez/K0WFS brought in the balun he built for 15 meters. It is a 1:1 current balun. He discussed how it effects bandwidth and the construction process. Russ used an MFJ-259 to test the design.



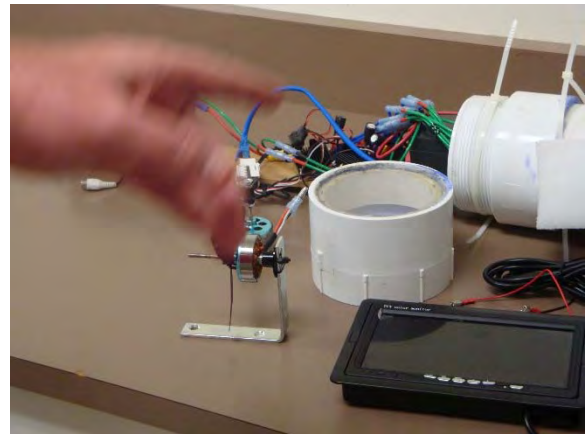
Craig Siegenthaler/AC0WQ brought in a pair of resonant tube CW speakers he built. He then gave a demonstration comparing the difference between the tube speakers and a standard good quality speaker. The difference was amazing. Craig then explained the construction and how it was possible to obtain the narrow bandwidth.



Tim Coucke/KE4KE showed us the BLT tuner he built and described its operation.

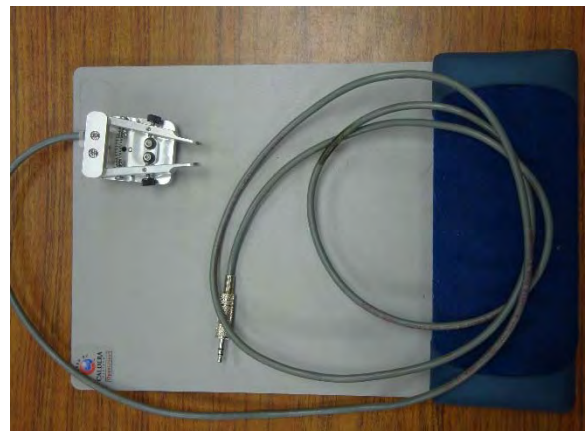


Jeremy Mooney/KC0LDI brought in an underwater vehicle he has built and currently experimenting with along with the controller board. Jeremy also brought in a new web camera mount which he used to record the presentation.

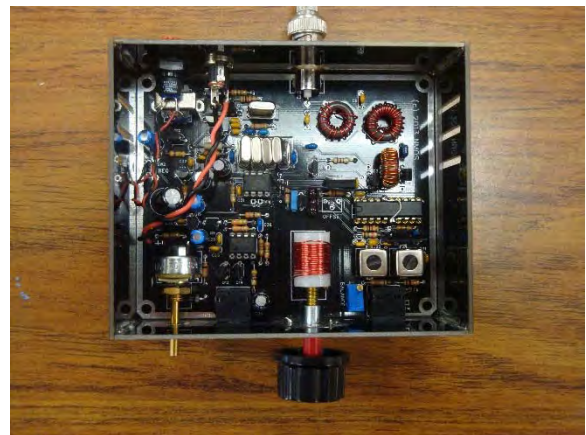


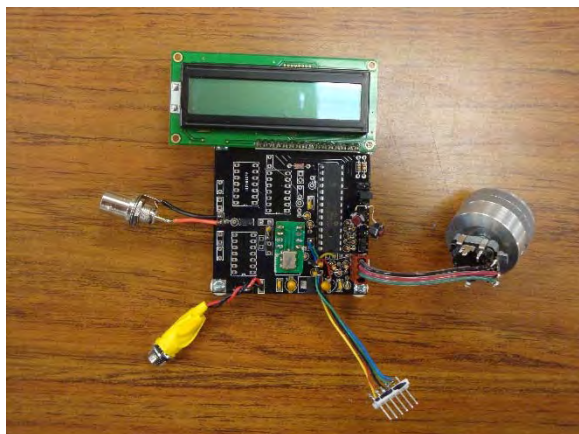


Willie Marcris/AC0UK brought in his Rock Mite and Hendricks tuner he built along with an American Morse paddle. The Rock Mite runs at 7.122 Mhz. Great job with the construction Willie!!

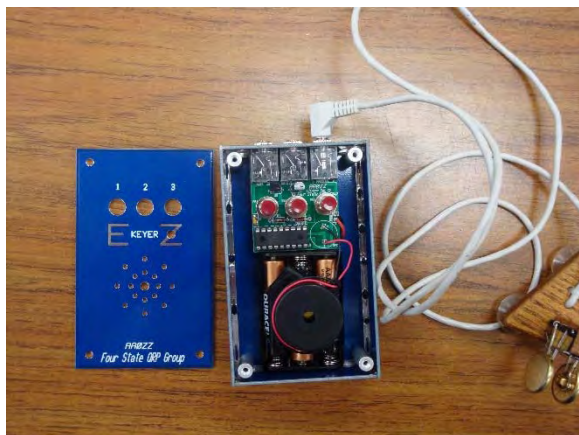


Craig Johnson/AA0ZZ showed us his recent award from QRP ARCI and then showed us his Cyclone 40 which has a permeable tuned VFO. Craig also gave us an update on the VFO he is designing for the AM xcvr project and showed us a new case available for his PIC keyer. The case is built out of PC board and very nicely silkscreened.





Larry Gaalaas/KB0R brought in his recently acquired Remote Rig. He gave us an explanation of how the unit operates and how he intends to use it at his new home where he operates at low power. He also plans to use it to go mobile.



Phil Schweitzer/K0CD brought in an old Atwater Kent receiver he had acquired.



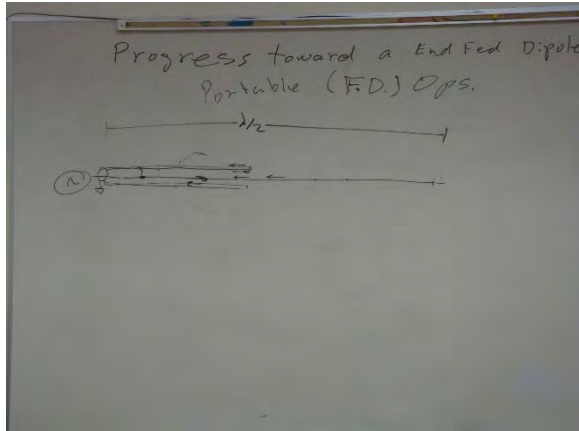
August Presentation

Tom Kent/WM0SS gave us a very interesting presentation on his quest to find the perfect Array of four end fed dipoles that could be used during Field Day. Tom started the presentation by explaining that an end fed antenna was used at the recent FYBO and Field Day, but the drawback was that it lacked directivity. Tom then explained how he evaluated several designs. He directed us to two interesting references: QST 12/2011 which discussed a switchable inverted V and the QRP Quarterly/Winter 2013 which discusses refining an end fed antenna.

Tom then showed us the difficulty of modeling four end fed arrays. Besides sketching out the concepts he provided several computer simulations. The antenna used for the discussions was cut for 20 meters.

Great job!!





Respectfully submitted,

Steve, NW0C



Club Officers:

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